



Nucleonica: Basic, Core and Advanced Applications

Training course with “Hands on” exercises, *To be held at the IRMM JRC Geel, Belgium*

3 Oct. – Basic & Core Nucleonica Applications

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9:00	Training Course / Nucleonica Overview J. Magill (Nucleonica)		1
9:30	Mass Activity Converter J. Magill	Exercises	2a
10:00	Nuclide Mixtures R. Dreher	Exercises	2b
10:30 – Coffee			
10:50	Participants introduction		
11:15	Nuclear Data: from the Karlsruhe Nuclide Chart to Nucleonica, Z. Soti (ITU)	Exercises	3
12:30 – Break			
13:30	Decay Engine J. Magill	Exercises	4
15:00 – Coffee			
15:20	Virtual Cloud Chamber J. Magill	Exercises	5
16:00	Gamma Dosimetry & Shielding (D&S) J. Magill	Exercises	6
17:00 – End of session			

4. Oct. – Advanced Nucleonica Applications

8:30	e-Ship: Radiological Transport Assistant Y. Donjoux (CERN)	Exercises	7
10:00 – Coffee			
10:20	webKORIGEN: nuclide depletion calculations J. Zsigrai (ITU)	Exercises	8
11:20	Gamma Spectrum Generator J. Zsigrai	Exercises	9a
12:30 – Break			
13:30	Gamma Libraries J. Zsigrai	Exercises	9b
14:30	Wiki, Forum, Blog, Glossary: Knowledge Objects Z. Soti	Exercises	10
15:00 – Coffee			
15:20	Working with Reference Materials in Nucleonica Z. Soti	Exercises	11
16:00	Nucleonica Tips & Tricks J. Magill		
16:15	Feedback/Questionnaire, Certificate		
16:30 – End of Training Course			
Supplementary material (additional exercises)			12